

REMARKS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the remarks and amendments herewith.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 37 to 72 are now pending. Claims 1-36 have been cancelled, and new claims 37-72 have been added, without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents.

No new matter is added.

It is respectfully submitted that the claims, herewith and as originally presented, are patentably distinct over the prior art cited by the Examiner, and that these claims are and were in full compliance with the requirements of 35 U.S.C. §112. The amendments to the claims, as presented herein, are not made for purposes of patentability within the meaning of 35 U.S.C. §§§§ 101, 102, 103 or 112. Rather, these amendments are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

II. THE OBJECTIONS TO THE SPECIFICATION & CLAIMS ARE OVERCOME

The specification was objected to as having an insufficient Abstract and because an application number listed in the Related Applications section needed to be updated. The claims were objected to as containing improperly multiple dependent claims. The objections are respectfully traversed.

The amendments herein render the objections moot. Accordingly, reconsideration and withdrawal of the objections is respectfully requested.

III. THE DOUBLE PATENTING REJECTION

Claims 1-30 were rejected under the judicially created doctrine of obviousness-type double patenting as allegedly being unpatentable over claims 1-30 of U.S. Patent No. 6,331,330. The rejection is respectfully traversed.

As claims 1-30 have been cancelled herein without prejudice, the rejection is now moot. If the Examiner finds that the newly pending claims are subject to a similar rejection, Applicants will address such a rejection once there has been a determination of allowable subject matter.

Accordingly, reconsideration and withdrawal of the double-patenting rejection is respectfully requested.

IV. THE ART REJECTIONS ARE OVERCOME

Claim 36 was rejected under 35 U.S.C. §102(b) as allegedly being anticipated by Spiller (U.S. Patent No. 3,754,975). The rejection is respectfully traversed.

Claim 36 has been cancelled herein, rendering the rejection moot. Applicants respectfully assert that Spiller does not disclose all of the elements of the presently pending claims.

Claims 1-3, 31 and 33 were rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Kim et al. (U.S. Patent No. 5,344,676) in view of Clark et al. (U.S. Patent No. 4,921,731) or Chivukala et al. (U.S. Patent No. 6,066,581). Claim 3 was also rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Kim et al. (U.S. Patent No. 5,344,676) in view of Clark et al. (U.S. Patent No. 4,921,731) or Chivukala et al. (U.S. Patent No. 6,066,581) and further in view of Hirose (U.S. Patent No. 5,298,277). The rejections are respectfully traversed.

Claims 1-3, 31 and 33 have been cancelled herein, rendering the rejections moot. Applicants respectfully assert that Kim et al., either alone or in any combination, including the combinations of the Office Action, fails to disclose all of the elements of the presently pending claims. Furthermore, there is no motivation to combine these documents.

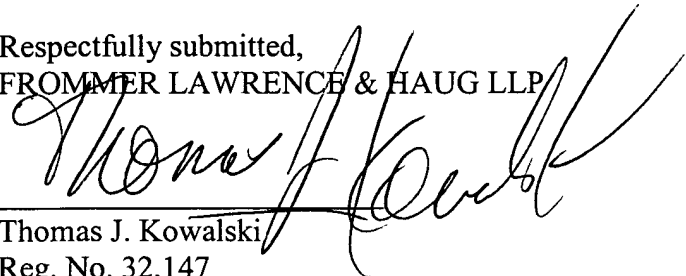
Accordingly, reconsideration and withdrawal of the rejections of the claims under 35 U.S.C. §§102 and 103, is respectfully requested.

CONCLUSION

In view of the remarks and amendments herein, the application is in condition for allowance. Reconsideration and withdrawal of the rejections of the application, and prompt issuance of a notice of allowance is respectfully requested.

Respectfully submitted,
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ABSTRACT

The present invention provides methods for depositing a material onto a substrate include the steps of: feeding a material solution including one or more precursor compounds, a solvent and a pH-modifying catalyst to an outlet to provide a stream of droplets of the material solution; generating an electric field to electrostatically attract the droplets from the outlet towards the substrate; and providing an increase in temperature between the outlet and the substrate.